IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

present application:

1. (Currently amended) An image processing apparatus, comprising:

~~a display unit;~~

a condition setting unit ~~by which a user sets~~to arbitrarily set a post-quantization

condition;

a partial decoding and decompression unit to partially decode and decompress

coded data in accordance with the post-quantization condition set by ~~the user using~~ the

condition setting unit, to ~~thereby~~ reproduce an image ~~data~~ substantially identical to an

image ~~data~~ which will be reproduced by decoding and decompressing the coded data

that have been subjected to a post-quantization processing in accordance with the post-

quantization condition; and

an image data displaying unit to display ~~on the display unit~~ the image

~~data~~ reproduced by the partial decoding and decompression unit.

2. (Currently amended) The image processing apparatus as claimed in claim 1, wherein

the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a controller to control a decoding and decompression operation of the decoder in accordance with the post-quantization condition set by a[[the]] user using the condition setting unit.

3. (Currently amended) The image processing apparatus as claimed in claim 1, wherein the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a rewriting unit to rewrite header information of the coded data in accordance with the post-quantization condition set by a[[the]] user using the condition setting unit.

4. (Currently amended) The image processing apparatus as claimed in claim 1, wherein the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a writing unit to write header information of the coded data in accordance with the post-quantization condition set by a[[the]] user using the condition setting unit.

5. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

a post-quantization unit to perform post-quantization processing of the coded data according to an instruction by the user and in accordance with the post-quantization condition set by a[[the]] user using the condition setting unit.

6. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

a condition saving unit to save a plurality of post-quantization conditions set by a[[the]] user using the condition setting unit,

wherein one of the post-quantization conditions saved in the condition saving unit can be set as a post-quantization condition by the condition setting unit.

7. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

a condition saving unit to save a plurality of post-quantization conditions set by a[[the]] user using the condition setting unit;

a condition selector by which the user selects one of the post-quantization conditions saved in the condition saving unit; and

a post-quantization unit to perform post-quantization processing of coded data

in accordance with the post-quantization condition selected by the user using the

condition selector.

8. (Original) The image processing apparatus as claimed in claim 6, further comprising:

an averaging unit to average the post-quantization conditions saved in the

condition saving unit and the post-quantization condition set by the user using the

condition setting unit,

wherein an averaged post-quantization condition obtained by the averaging unit

is saved in the condition saving unit.

9. (Original) The image processing apparatus as claimed in claim 7, further comprising:

an averaging unit to average the post-quantization conditions saved in the

condition saving unit and the post-quantization condition set by the user using the

condition setting unit,

wherein an averaged post-quantization condition obtained by the averaging unit

is saved in the condition saving unit.

10. (Currently amended) The image processing apparatus as claimed in claim 1,

wherein a compression rate at the time of the post-quantization processing performed

in accordance with the post-quantization condition set by a[[the]] user using the condition setting unit is displayed on the display unit.

11. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

an image modifying unit to enlarge, reduce, or scroll an image displayed on a[[the]] display unit in accordance with an instruction of the user.

12. (Original) The image processing apparatus as claimed in claim 11, wherein a magnification of the image is displayed on the display unit.

13. (Original) The image processing apparatus as claimed in claim 1, further comprising:

an imaging unit to photograph one of a still image and a moving image; and

an encoder to generate coded data allowing post-quantization processing by performing compression coding on image data of the image photographed by the imaging unit.

14. (Currently amended) The image processing apparatus as claimed in claim 1, further comprising:

a communication unit to receive coded data from an external apparatus and transmit to the external apparatus the post-quantization condition set by a[[the]] user using the condition setting unit.

15. (Original) The image processing apparatus as claimed in claim 1, wherein the post-quantization condition is related to at least one of resolution, position, component, image quality, and compression rate of an image.

16. (Original) The image processing apparatus as claimed in claim 1, wherein the coded data are JPEG 2000 coded data.

17. (Currently amended) An image processing method, comprising:

arbitrarily setting a post-quantization condition by a user;

partially decoding and decompressing coded data in accordance with the post-quantization condition set by the user, to thereby reproduce an image data substantially identical to an image data which will be reproduced by decoding and decompressing the coded data that have been subjected to a post-quantization processing in accordance with the post-quantization condition; and

displaying the image data reproduced by partially decoding and decompressing coded data.

18. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises controlling a decoding and decompression operation of a decoder that conforms to a compression coding algorithm applied to the coded data in accordance with the post-quantization condition set in setting the post-quantization condition.

19. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is rewritten in accordance with the post-quantization condition set in setting the post-quantization condition.

20. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is written in accordance with the post-quantization condition set in setting the post-quantization condition.

21. (Currently amended) The image processing method as claimed in claim 17, further comprising:

performing post-quantization processing of coded data according to an

instruction by a[[the]] user and in accordance with the post-quantization condition set

in setting the post-quantization condition.

22. (Currently amended) The image processing method as claimed in claim 17, further

comprising:

saving one or more post-quantization conditions set in setting the post-

quantization condition;

selecting, by a[[the]] user, one of the post-quantization conditions saved in

saving the post-quantization conditions; and

performing post-quantization processing of the coded data in accordance with

the post-quantization condition selected in selecting the post-quantization condition.

23. (Currently amended) The image processing method as claimed in claim 17, further

comprising:

receiving the coded data from an apparatus; and

transmitting to the apparatus the post-quantization condition set in setting the

post-quantization condition.

24. (Currently amended) ~~An article of manufacture having one or more~~<u>A</u> computer-readable <u>storage</u>~~recording~~ medium storing thereon instructions which, when executed by a computer, cause the computer to carry out an imaging process by:

causing the computer to prompt a user to <u>arbitrarily</u> set a post-quantization condition;

causing the computer to partially decode and decompress coded data in accordance with the post-quantization condition set by the user, to ~~thereby~~ cause the computer to reproduce <u>an</u> image ~~data~~<u>substantially</u> identical to <u>an</u> image ~~data~~<u>which will be</u> reproduced by decoding and decompressing the coded data that have been subjected to a post-quantization processing in accordance with the post-quantization condition; and

causing the computer to display the image ~~data~~reproduced in response to the instruction of causing the computer to partially decode and decompress the coded data.

25. (Currently amended) The ~~article of manufacture~~<u>computer-readable storage medium</u> as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data comprises controlling a decoding and decompression operation of a decoder that conforms to a compression coding algorithm applied to the coded data in accordance with the post-quantization condition set by the user.

26. (Currently amended) The ~~article of manufacture~~computer-readable storage medium as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is rewritten in accordance with the post-quantization condition set by the user.

27. (Currently amended) The ~~article of manufacture~~ computer-readable storage medium as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is written in accordance with the post-quantization condition set by the user.

28. (Currently amended) The ~~article of manufacture~~computer-readable storage medium as claimed in claim 24, wherein the image process further comprises:

   causing the computer to perform post-quantization processing of coded data according to an instruction by the user and in accordance with the post-quantization condition set by the user.

29. (Currently amended) The ~~article of manufacture~~computer-readable storage medium

as claimed in claim 24, wherein the image process further comprises:

causing the computer to save one or more post-quantization conditions set by the

user;

causing the computer to prompt the user to select one of the post-quantization

conditions saved in the instruction of causing the computer to save the post-

quantization conditions; and

causing the computer to perform post-quantization processing of the coded data

in accordance with the post-quantization condition selected by the user.

30. (Currently amended) The ~~article of manufacture~~computer-readable storage medium

as claimed in claim 24, wherein the image process further comprises:

causing the computer to receive the coded data from an apparatus; and

causing the computer to transmit to the apparatus the post-quantization

condition set by the user.